

Bio 100 Syllabus FALL 2002

Instructor: Dennis Wilson

Office: RM: Palo Verde 236. Phone: (480) 654-7731 & SD: NU 187. Phone: (480) 461-7157

Office hours: RM: T&Th 3-5pm & by apt. & SD by apt.

e-mail: dwilson@mail.mc.maricopa.edu

website: www.mc.maricopa.edu/~dwilson

Class Times: T&R 11AM-1:50PM

Class Location: RDMP 107

Text Book: **BioInquiry: Making Connections in Biology 2E.**

Lab Manual: **Investigating Biology, 11th Edition, Johnson & Kincaid.**

Week	Topic	Exams	Lab	Reading, CD, Web Resources
Aug 26	What is biology? An Introduction to Science		1	Ch1
Sep 2	Evolution: An introduction		10	Ch2, & parts of 9 (9.3, 9.4, 9.5)

Weekend 2: Review notes, catch up on reading & CD, think about your research project

Sep 9	Mechanisms of Evolution		3	Ch2
Sep 16	Inheritance: How are characters passed on?	Quiz	4	Ch3
Sep 23	The Cellular nature of Life		TBA	Ch4
Sep 30	What are organisms made of?	Exm 1	5	TBA

Weekend 6: Review notes, catch up on reading & CD, your research project should be underway, and study for the exam.

Oct 7	Acquiring and using Energy		11/12	Ch10 & parts of 4 (4.3, 4.4)
Oct 14	Cell division & Passing on Genes		7	Ch5
Oct 21	DNA, Genes & Enzymes		8	Ch6 & 7
Oct 28	Genetic Engineering: Applying Concepts		TBA	Ch7
Nov 4	Bioethics: How do we use what we know?	Exm 2	15	Ch7

Weekend 11: Please make sure you are fully up to date with reviews of your notes, the reading & CD, your project, and study for the exam.

Nov 11	How do individuals vary & populations evolve?		9	Ch8
Nov 18	Adaptations and Speciation		13	Ch8
Nov 25	Thanksgiving: Nov 28-Dec 1: ENJOY!			CATCH UP
Dec 2	The History of Life on Earth		14	Ch9

Weekend 15: Catch up on reviews of notes, reading & CD and begin to study for the final. This is the last week to hand in final project reports.

Dec 9	Project Presentations			
Dec 16		Finals		

Organism or Research Project:

You will be working on an organism or research project throughout the semester. This can take the form of a traditional write-up, a poster, a web site, a photographic assignment, producing a short video or PowerPoint presentation, the choice is yours. You will be assigned an organism, but you can design your own research project. Be smart, design a research project that relates to your interests, talents, passions, or hobbies. This is a chance for you to express yourself.

Grading:

Online knowledge checks: 125
Quiz: 50
Exam 1: 125
Exam 2: 175
Final: 275
Organism or Research Project: 150
Lab Reports: 100
Extra Credit: 50

E-mail and the Internet:

You must have your MCC e-mail account activated by the first week of class as e-mail and a variety of web-based resources will be used throughout the semester.

Examinations:

Online Knowledge Check: There will be frequent online knowledge checks.

Quiz & Exams 1&2: These will be a combination of multiple choice and short or single word answer with progressively fewer multiple choice questions on successive exams.

Final exam: Some questions will be long answer, essay style, and some questions will be similar in style to the quiz and exam questions. Essay style questions will be broad in scope and are designed to make you tie together different aspects of biology. Think about how these different aspects are related, connected, and fit into the "big picture". **N.B. I will not give make-up exams, if you miss the exam, you forfeit the points. Under certain circumstances, special arrangements can be made to take exams at the campus testing center.**

A recipe for success:

Come to every class & actively participate. If you do not understand anything, please ask for help, either in class, during office hours, or in review sessions. Never stop seeking assistance until you are comfortable you have a complete understanding of the topic. Review notes, (the codeword is evolution) the readings and CD at least weekly and begin serious study for your exams a week before the test date.

Assistance & Tutoring:

If you require tutoring in any area (e.g., writing skills), please let me know so I can point you in the right direction.

Disabilities:

Students with physical or learning disabilities should contact me the first class session to discuss your needs. Reasonable accommodations will be made for any eligible disability. Contact Disability Resources & Services: (461-7447) to obtain an instructors letter if you have not already done so.

Student code of conduct:

Please refer to the student code of conduct. Willingly tampering with equipment or altering computer settings, disruptive behavior, or academic dishonesty are in violation of the student code of conduct and will be handled according in current MCC policy.

Withdrawal Policy & Attendance:

I will take attendance each class session. Attendance is required at all class sessions. If you are unable to attend a class for a justifiable reason, please inform me **before** the missed class. In the result of a medical emergency or you have to miss class for a medical reason, I will require a signed doctors note with phone number of the doctors office. More than two unexplained absences from class may result in you being withdrawn. Withdrawals will be in accordance with current MCC policy.

Grade Record:

	Quiz	Exam 1	Exam 2	Online Knowledge Checks	Lab Reports	Organisms or Research Project
Your Score						
Max Points						
Percentage						

Extra Credit Record:

Source of Extra Credit:				
Number of Points:				

Your Attendance Record:

	8/26	9/2	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28	11/4	11/11	11/18	11/25	12/2	12/9
T																
R																

Organism & Research Project

My organism is:	OR	My Research Project is entitled:

Just to Clarify:

_____ I understand that if I miss more than two class periods and am not able to provide appropriate documentation of the absence, such as a signed doctors note, I risk being withdrawn from the class.

_____ I understand that if I miss an exam, except under exceptional circumstances, I will forfeit the points.

NOTES & CHANGES: